

UNITED STATES GOVERNMENT

Memorandum

OCE M75-279

DATE: 4 August 1975

TO : Director of Communications

FROM : Chief, Communications Engineering

SUBJECT: Monthly Narrative Summary Report - July

1. The coding and testing of [REDACTED] software modules in Dallas has proceeded at a moderate pace. Meanwhile, the first delivery of hardware to site took place on 17 July, after which all necessary power and chilled water connections were made. Renovations in the Telephone Facilities "turn-around" space were nearly completed, while construction in the Cable Secretariat had just commenced before the month's end.

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2. The first draft of the technical portions of the AFT specification has been completed; however, the planned procurement schedule continues to slip as a result of delays in finalizing the operational requirements. The Compuscan Alpha, an alternative to the [REDACTED] optical character reader, is being seriously considered for use in the AFT system.

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3. Two systems have been selected for further evaluation as potential enhancements to HF radio communications. One system, developed by [REDACTED] Corp., combines forward error correction with error detection and automatic retransmission. The second system, designed by [REDACTED] Inc., combines time and frequency diversity. The error control system has been procured and will be delivered in September, while the [REDACTED] system is being loaned to us for a one-week evaluation period beginning 4 August.

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4. A review of the Expanded Support Resource Packages to the DD/A, DD/I, and DD/S&T was initiated. Points of contact have been established in each Directorate to validate the FY-76 requirements.

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5. The Headquarters tandem (trunk) switch is scheduled for delivery on 7 October. Installation is to begin immediately with activation scheduled for 1 December.

25X1A5a1 6. A Technical Guidance Conference was held with [REDACTED] on the Imagery Transmission System on 2 July, followed up by the first Technical Program Status review at [REDACTED] on 28 and 29 July. Both reviews indicate that [REDACTED] has an excellent understanding of the task and is on schedule.

7. Twelve trunk plates were delivered and installed on the Headquarters and NPIC Gray switches, allowing twelve additional trunks to be activated to a special site.

25X1A6a 8. The power upgrade and UCPS installation in [REDACTED] is proceeding as scheduled, and the ARS installation is expected to begin during the week of 4 August. The installation of the [REDACTED] in [REDACTED] is going according to schedule. [REDACTED] should be completed by mid-August; shipment of the [REDACTED] to that site is being expedited.

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25X1C4a 9. The [REDACTED] has approved our request to proceed with an A&E for the proposed [REDACTED] receiver site at [REDACTED]. There are several technical problems remaining to be resolved; however, we expect the A&E to begin early in the next reporting period.

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10. The Stelma Mark II cable subset is being investigated for use as the TM113 data-derived clock source in the BLACK MUX configuration. (In the RED and RED/BLACK MUX configurations, field clock will be provided by the CU-113.) Four sets of C-MOS CSR-5 boards were ordered from [REDACTED]. Evaluation of a four-channel C-MOS CSR-8 for replacement of four each CSR-5 units will be conducted when the devices are available. A sufficient quantity of modified signal processor cards for the TLC-1 were received from the manufacturer to enable the release of 34 units to the field. The first ten AK-4 racks were received from [REDACTED] and were accepted by T&I after correcting four minor problems.

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25X1C 11. The SC-2 [REDACTED] terminal [REDACTED] has been tested and accepted and is now operationally available. The SC-1A installation [REDACTED] was also completed during the month.

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12. SG-75. A new contract was initiated with [REDACTED] for 40 SG-75B's and 20 spare board kits. The first ten factory run SG-75B units, five spare board kits, and the final 77 noise suppression modification kits were received from [REDACTED]

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13. The testing of [REDACTED] came to a conclusion on 25 July 1975. [REDACTED], OD&E, and OC personnel reviewed the test data collected by the [REDACTED] Test Engineer over the past several weeks. An adjustment to our procedures will be necessary to ensure the [REDACTED] is configured properly prior to operational missions.

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14. Mr. [REDACTED] a contract employee with [REDACTED] has been on duty [REDACTED] for two weeks. This contract was funded with [REDACTED] monies and will continue throughout FY-76. Our goal is to repair as many of the remaining TAR-224's as possible during the upcoming twelve months.

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15. The SV-8 program moved at an accelerated pace during the month. Twelve SV-8 chassis/cabinets were completed, quality control accepted, and turned over to the [REDACTED] Reserve for issue as part of the field introduction program.

16. The digital signaling system, received from OD&E at the end of the month, was submitted to the Quality Assurance Branch/CED for evaluation.

17. A meeting was held with OTR representatives to discuss the specification and proposal for the handheld secure voice system [REDACTED]. They requested our comments and suggestions which we will provide in a subsequent meeting in early August.

18. Mr. [REDACTED] was on TDY [REDACTED] where he installed an SF-1 system. In addition, he traveled to [REDACTED] where he reviewed pending installations.

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19. The [REDACTED] SV-7 Secure Voice link was installed and declared operational on 23 July. [REDACTED] CED Engineer, supervised the installation.

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25X1A6a 20. A 400-foot signal cable and line drivers were shipped [REDACTED] for their TL-4 telephone cutout installation. Extensive RFI tests were conducted prior to shipment.

25X1A6a 21. The RS-531 Printer Terminals with self-contained crypto, destined for [REDACTED], were delivered to QAB on 28 July for preissue evaluation. Operational documents were completed.

22. Fifteen HG/B-59 Handcrank Generators, complete with cables, were delivered to stock.

23. QAB processed three evaluation reports on new equipments, performed 31 quality control requirements on 687 incoming items for stock, performed 14 preissue requirements on 102 outgoing items for operational issue, processed 19 TECHREQ actions, and checked 57 property turn-in items for stock during July.

24. The quarterly revision of the TECHREQ Equipment List was given Category "B" distribution this month.

25X1A 25. The new [REDACTED] Model 776 Base Plating System for the Crystal Lab failed to operate and was returned to the [REDACTED] plant for replacement.

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